

Notice of Allowability**Application No.**

10/587,390

Examiner

TIFFANY NUCKOLS

Applicant(s)

HAMELIN, THOMAS

Art Unit

1716

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Remarks/Arguments submitted 02/14/11.
2. ☒ The allowed claim(s) is/are 1-26,28-31 and 45-50.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20110418.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Tiffany Nuckols/
Examiner, Art Unit 1716

/Maureen Gramaglia/
Primary Examiner, Art Unit 1716

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Edwin Garlepp on 04/12/2011 and 04/14/2011.

The application has been amended as follows:

Amend Claim 1, line 11 as follows:

thermal conductance between the cooling component and the heating component;

Amend Claim 1, line 15 as follows:

component and seals an enclosure which forms the fluid gap; and
wherein the fluid gap comprises a least one groove configured to prevent flow of the brazing material into the fluid gap.

Amend Claim 10, line 1 as follows:

The substrate holder according to claim 1, wherein the *at least one groove*

Amend Claim 13, line 1 as follows:

The substrate holder according to claim 1, *wherein the at least one groove comprises an isolating groove positioned between*

Amend Claim 19, line 1 as follows:

The substrate holder according to claim 1, *wherein the at least one groove comprises first and second isolating grooves*

Amend Claim 26, line 15 as follows:

component and seals an enclosure which forms the fluid gap; and *a groove means for preventing flow of the brazing material into the fluid gap.*

Cancel Claim 27.

Amend Claim 28, line 1 as follows:

The substrate holder according to claim 26, wherein the groove *means comprises a groove*

Amend Claim 45, line 8 as follows:

the means for cooling and the means for heating;

Amend Claim 45, line 12 as follows:

for receiving a fluid; *and a groove in at least one of the means for heating and the means for cooling, the groove being configured to prevent flow of the brazing material into the means for receiving a fluid.*

Reasons for Allowance

2. Claims 1-26, 28-31 and 45-50 are allowed.
3. The following is an examiner's statement of reasons for allowance: the closest prior art of record, U.S. Patent No. 55730803 to Steger et al, whether alone or in combination, does not teach or fairly suggest, in the context of the independent claims, a substrate holder have a fluid gap comprising a groove which is adjacent to a brazing

material which is in direct contact with a heating component and a cooling component and seals an enclosure that forms the fluid gap.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TIFFANY NUCKOLS whose telephone number is (571)270-7377. The examiner can normally be reached on Monday through Friday 9:00AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on 571-272-1435. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/TIFFANY NUCKOLS/
Examiner, Art Unit 1716

/Maureen Gramaglia/
Primary Examiner, Art Unit 1716